

**Sensitivity of ELISA on basis of Antibodies to human DNA for DNA  
determination and white blood cells on FTA membranes**

<u>Control</u>	<u>DNA</u>	<u>DNA</u>	<u>DNA</u>	<u>30 mkl WBC</u>	<u>60 mkl WBC</u>	<u>120 mkl WBC (3</u>
	<u>0.2 ng</u>	<u>2.0 ng</u>	<u>20 ng</u>	<u>(3 cells/mkl)</u>	<u>(3 cells/mkl)</u>	<u>cells/mkl)</u>
0	0.05	0.23	0.373	0.01	0.02	0.07
0.02	0.01	0.04	0.03	0.01	0.02	0.02

**Conclusions:**

The experiment demonstrates that FTA membrane can be used for white blood cell membrane lysis, cellular DNA capture, and quantitative determination with ELISA. The method illustrates that DNA isolated from low amounts of white blood cells, such as 33 cells per well or .33 cell/ $\mu$ l, can be measured above the background. This technique has wide application for counting low amounts of cells in a variety of liquids. --

**IN THE CLAIMS:**

Claim 10, line 1, please delete "6" and insert therefore --9--.

Claim 11, line 1, please delete "6" and insert therefore --9--.

Claim 13, line 1, please delete "9" and insert therefore --12 --.

Claim 14, line 1, please delete "9" and insert therefore --12 --.

Please add the following new claim:

18. (New) The method according to claim 9, wherein said generating step is further defined as generating a signal with an amount cells at a concentration of at least as low as 0.33 cell/ $\mu$ l.